

**Fig. 1****SEQ ID NO: 1**

AACGCCTCGCTCTTGAGACCAGCCACCAAACACGAAAAGTGACTTTC  
TTCTCGTGTGCTCTCTACGGCCCTTCTGATGGAAGCAGAAACAGGGAG  
CAGCGTGGAGACTGGAAAGAAGGCCAACAGAGGCACTCGAATTGCCCT  
GGTCGTGTTTGTTCGGTGGCACCCCTAGTTCTGGGCACGATCCTCTTTCT  
AGTGAGTCAAGGTCTCTTAAGTCTCCAAGCTAAACAGGAGTACTGCCT  
GAAGCCAGAATGCATCGAAGCGGCTGCTGCCATCTTAAGTAAAGTAAA  
TCTGTCTGTGGATCCTTGTGATAATTTCTTCCGGTTCGCTTGTGATGG  
CTGGATAAGCAATAATCCAATTCCTGAAGATATGCCAAGCTATGGGGT  
TTATCCTTGGCTGAGACATAATGTTGACCTCAAGTTGAAGGAACTTTT  
GGAGAAATCAATCAGTAGAAGGCGGGACACCGAAGCCATACAGAAAGC  
CAAAATCCTTTATTTCATCCTGCATGAATGAGAAAGCGATTGAAAAAGC  
AGATGCCAAGCCACTGCTACACATCCTACGGCATTACCTTTCCGCTG  
GCCCCGTGCTTGAATCTAATATTGGCCCTGAAGGGGTTTGGTCAGAGAG  
AAAGTTCAGCCTTCTGCAGACACTTGCAACGTTTCGTGGTCAATACAG  
CAATTCTGTGTTTCATCCGTTTGTATGTGTCCCCTGATGACAAAGCATC  
CAATGAACATATCTTGAAGCTGGACCAAGCAACACTCTCCCTGGCCGT  
GAGGGAAGACTACCTTGATAACAGTACAGAAGCCAAGTCTTATCGGGA  
TGCCCTTTACAAGTTCATGGTGGATACTGCCGTGCTTTTAGGAGCTAA  
CAGTTCCAGAGCAGAGCATGACATGAAGTCAGTGCTCAGATTGGAAAT  
TAAGATAGCTGAGATAATGATTCCACATGAAAACCGAACCAGCGAGGC  
CATGTACAACAAAATGAACATTTCTGAACTGAGTGCTATGATTCCCCA  
GTTTCGACTGGCTGGGCTACATCAAGAAGGTCATTGACACCAGACTCTA  
CCCCCATCTGAAAGACATCAGCCCCTCCGAGAATGTGGTGGTCCGCGT  
CCCGCAGTACTTTAAAGATTTGTTTAGGATATTAGGGTCTGAGAGAAA  
GAAGACCATTGCCAACTATTTGGTGTGGAGAATGGTTTATTCCAGAAT  
TCCAAACCTTAGCAGGCGCTTTCAGTATAGATGGCTGGAATTCTCAAG  
GGTAATCCAGGGGACCACAACTTTGCTGCCTCAATGGGACAAATGTGT  
AACTTTATTGAAAGTGCCCTCCCTTATGTTGTTGGAAAGATGTTTGT  
AGATGTGTACTTCCAGGAAGATAAGAAGGAAATGATGGAGGAATTGGT

TGAGGGCGTTTCGCTGGGCCTTTATTGACATGCTAGAGAAAGAAAATGA  
GTGGATGGATGCAGGAACGAAAAGGAAAGCCAAAGAAAAGGCGAGAGC  
TGTTTTTGGCAAAAGTTGGCTATCCAGAGTTTATAATGAATGATACTCA  
TGTTAATGAAGACCTCAAAGCTATCAAGTTTTTCAGAAGCCGACTACTT  
TGGCAACGTCCTACAAACTCGCAAGTATTTAGCACAGTCTGATTTCTT  
CTGGCTAAGAAAAGCCGTTCCAAAAACAGAGTGGTTTACAAATCCGAC  
GACTGTCAATGCCTTCTACAGTGCATCCACCAACCAGATCCGATTTCC  
AGCAGGAGAGCTCCAGAAGCCTTTCTTTTGGGGAACAGAATATCCTCG  
ATCTCTGAGTTATGGTGCTATAGGAGTAATTGTCGGACATGAATTTAC  
ACATGGATTTGATAATAATGGTAGAAAATATGATAAAAATGGAAACCT  
GGATCCTTGGTGGTCTACTGAATCAGAAGAAAAGTTTAAGGAAAAAAC  
AAAATGCATGATTAACCAGTATAGCAACTATTATTGGAAGAAAGCTGG  
CTTAAATGTCAAGGGGAAGAGGACCCTGGGAGAAAATATTGCTGATAA  
TGGAGGCCTGCGGGAAGCTTTTAGGGCTTACAGGAAATGGATAAATGA  
CAGAAGGCAGGGACTTGAGGAGCCTCTTCTACCAGGCATCACATTCAC  
CAACAACCAGCTCTTCTTCCTGAGTTATGCTCATGTGAGGTGCAATTC  
CTACAGACCAGAAGCTGCCCGAGAACAAGTCCAAATTGGTGCTCACAG  
TCCCCCTCAGTTTAGGGTCAATGGTGCAATTAGTAACTTTGAAGAATT  
CCAGAAAGCTTTTAACTGTCCACCCAATTCCACGATGAACAGAGGCAT  
GGACTCCTGCCGACTCTGGTAGCTGGGACGCTGGTTTTATGGCATCCTG  
AGACAGTTGCACAGTGCCAGCGGAGGCTGCACTGAGCCTTCATCGCCC  
ATTGCTTTAGGCCTGGAGACTTTCATTTTTTAGTGCATTTTTCATTATTT  
GGGTAGGTGACCTGCTTGGATCTAGACAGCATCTGTTCAAAGTCGTAG  
GGCTTATAAAGTGGAATATAAGAATGAACTAAGTATGTTTCTTTAGAA  
AATCAAACCAACAAAAATAAATCCCTAGGCTACTTTTGTTAAAAAA

**Fig. 2****SEQ ID NO: 2**

MEAETGSSVETGKKANRGTRIALVVFVGGTLVLGTILFLVSQGLLSLQ  
AKQEYCLKPECIEAAAAILSKVNLSVDPCDNFFRFACDGWISNNPIPE  
DMPSYGVYPWLRHNVDLKLKELLEKSISRIRDTEAIQKAKILYSSCMN  
EKAIEKADAKPLLHILRHSPFRWPVLESNIGPEGVWSEKFSLLQTLA  
TFRGQYSNSVFIRLYVSPDDKASNEHILKLDQATLSLAVREDYLDNST  
EAKSYRDALYKFMVDTAVLLGANSSRAEHDMKSVLRLEIKIAEIMIPH  
ENRTSEAMYNKMNI SELSAMIPQFDWLGYIKKVIDTRLYPHLKDISPS  
ENVVVRVPQYFKDLFRILGSEKKTIANYLWVRMVYSRIPNLSRRFQY  
RWLEFSRVIQGT'TTLLPQWDKCVNFIESALPYVVGKMFVDVYFQEDKK  
EMMEELVEGVRWAFIDMLEKENEWMDAGTKRKAKEKARAVLAKVGYPE  
FIMNDTHVNEDLKAIKFSEADYFGNVLQTRKYLAQSDFFWLRKAVPKT  
EWFTNPTTVNAFY SASTNQIRFPAGELQKPFFWGTEYPRSLSYGAIGV  
IVGHEFTHGFDNNGRKYDKNGNLDPWWSTESEEKFKKTKCMINQYSN  
YYWKKAGLNVKGKRTLGENIADNGGLREAFRAYRKWINDRRQGLEEPL  
LPGITFTNNQLFFLSYAHVRCNSYRPEAAREQVQIGAHSPQFRVNGA  
ISNFEEFQKAFNCPPNSTMNRGMDSCRLW

**Fig. 3****SEQ ID NO: 3**

5' - TGAGAAAGCGATTGAAAAAGCA - 3'

**Fig. 4****SEQ ID NO: 4**

5' - GGGCCAGCGGAAAGGT - 3'

**Fig. 5****SEQ ID NO: 5**

5' - CAAGCCACTGCTACACATCCTACGGCATT - 3'